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1985 LP-GAS MARKET FACTS

NATIONAL LP-GAS ASSOCIATION

PRODUCTION/TRANSPORTATION/STORAGE/IMPORT/EXPORT/SALES/EQUIPMENT/UTILIZATION

1985 LP-GAS INDUSTRY MARKET FACTS

DEVELOPED BY STATISTICAL AND MARKET RESEARCH COMMITTEE
NATIONAL LP-GAS ASSOCIATION
Robert B. Nicholson, Chairman

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ABOUT THIS REPORT

The LP-gas production data in this report are extracted from EIA-0109 "Petroleum Supply Annual" published by the Energy Information Administration (EIA), U.S. Department of Energy. The information in EIA-0109 is reported to EIA by companies operating natural gas liquids processing plants and petroleum refineries.

A project to survey refiners, operators of natural gas processing plants, LP-gas dealers and importers was organized under the joint sponsorship of the American Petroleum Institute, the National LP-Gas Association and the Gas Processors Association. This Project reports a survey of LP-gas users beginning with 1984 sales, using the same process of reporting the survey data used by EIA in the LP-gas sales reports published through 1978.

In 1984, EIA reports of LP-gas sales for 1979-1982 were found to be incomplete. Data for 1979-83 was developed in 1984 utilizing EIA state LP-gas consumption data for the period 1979-82, wholesale deliveries of LP-gas to the respective states as reported in "Petroleum Supply Annual" published by EIA for the years 1979-83, and generally accepted market research techniques.

Distribution

One copy available to each member as a service of the National LP-Gas Association. Additional copies to members $3.00 each. Copies to NLPGA non-members $6.00 each. Order from National LP-Gas Association, 1301 W. 22nd Street, Oak Brook, Illinois 60521.

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LP-GAS, THE INDUSTRY IN BRIEF

WHAT IS LP-GAS?

The "LP" in LP-gas stands for Liquefied Petroleum, and it simply means that the gas is derived from petroleum products and sold in compressed, or liquefied form. The makeup of the gas can vary, but the most common forms include propane, butane, and propane/butane mixes. Propane is by far the predominant type of fuel. Liquefying the gas provides a highly efficient and safe method of storing and transporting the product, the fluid occupies a mere 1/270th the space of the gas, which returns to its natural state when released to the atmosphere under normal pressure. Energy content of propane, as measured in British Thermal Units, is about 91,500 BTU per gallon, or about 2,500 per cubic foot.

In the United States, about 70% of LP-gas is extracted from natural gas, while 30% is refined from crude oil. Like natural gas, LP-gas is odorless, and an artifical smell is added. It is also heavier than air, clean-burning, and combustion produces negligible pollutants.

USES OF LP-GAS

This fuel is one of the country's most versatile sources of energy. It is both portable and easy to regulate. Its most common use is as a straight source of heat. It cooks food, warms homes, dries clothes, heats water, and barbecues for homeowners located in suburban, small town, and rural areas. It can also power refrigerators and air conditioners. Portable LP-gas brings city comfort to families everywhere. It can do anything in the wilderness that it can do at home, and LP-gas has long been a major comfort for campers.

LP-gas is also a staple on farms, where it's used for crop drying, flame weeding, tobacco curing, defoliation, poultry and pig brooding, stock tank heating, and frost protection. It also powers trucks, pumps, standby generators, and other farm equipment.

Commercial establishments, such as hotels, motels, and restaurants, use LP-gas much like the homeowner. Industry relies on it for brazing, soldering, cutting, heat-treating, annealing, vulcanizing, and many other uses.

As an engine fuel, its minimal emissions allow it to be used indoors, which explains its wide popularity in fork-lift trucks. This same feature makes it a desirable fuel in congested areas, as the many fleets of city buses, taxis and delivery trucks will attest. Gasoline engines convert easily to LP-gas, efficiency improves, and engine life is increased.

THE MARKET

LP-gas ranks fourth in supplying the nation's energy needs. The industry serves over 20 million customers, including homes, farms, individuals, businesses, and government groups. LP-gas is essentially a rural fuel, and roughly 1-1/2 million farms, or about half of them, depend on the fuel for a variety of uses. A rough calculation of the market shows more than 60 million people dependent on LP-gas for one use or another.

THE INDUSTRY'S ASSETS

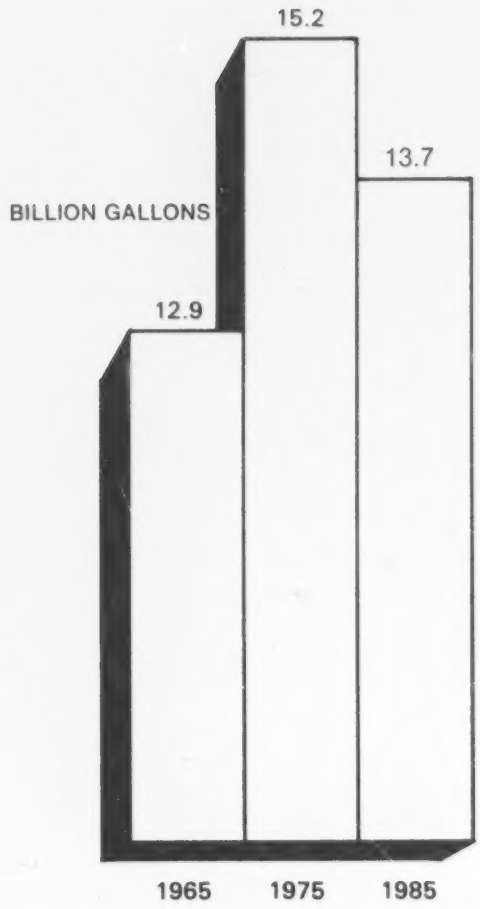
The distribution of LP-gas requires the effort of more than 86,000 people in the United States. Capital investment in excess of $7.5 billion includes 70,000 miles of cross-country pipelines, 25,000 transport and delivery trucks, 22,000 railroad tank cars, 250 primary storage facilities with capacity of seven billion gallons, a fleet of 370 barges and tankers, 8,000 bulk storage and distribution points, and 25,000 retail outlets.

Behind this vast network is the multi-billion dollar complex of petroleum refining and natural gas producing industries operated by LP-gas suppliers. More than 250 oil and gas companies produce LP-gas and distribute it in a number of ways. Some of them maintain their own LP-gas retail outlets, some sell on contract to established LP-gas marketers, and some of the gas finds its way to the open market through brokers.

WHAT IS NLPGA?

The National LP-Gas Association is a trade association offering a full range of services, and represents all segments of the liquefield petroleum gas industry. Included are producers of LP-gas, wholesale and retail marketers, gas appliance and equipment manufacturers and distributors, tank and cylinder fabricators, transport firms and others. NLPGA has over 4,000 members throughout the U.S. and 29 other countries. Forty-six regional and state LP-gas associations are affiliated with the national organization.

LP-GAS PRODUCTION



Source: Energy Information Administration

TOTAL ANNUAL PRODUCTION

YEAR	GALLONS*
1956	6,784,470,000
1957	6,947,640,000
1958	7,463,232,000
1959	8,926,764,000
1960	9,546,222,000
1961	9,824,136,000
1962	10,807,230,000
1963	9,951,018,000
1964	12,371,310,000
1965	12,898,746,000
1966	13,605,312,000
1967	12,656,868,000
1968	12,467,406,000
1969	15,683,220,000
1970	15,248,478,000
1971	15,498,336,000
1972	17,373,258,000
1973	17,191,356,000
1974	16,317,126,000
1975	15,199,674,000
1976	16,013,046,000
1977	15,487,500,000
1978	15,023,064,000
1979	16,431,660,000
1980	14,968,884,000
1981	14,395,248,000
1982	13,915,272,000
1983	13,687,758,000
1984	15,129,114,000
1985	15,702,540,000

**Figures prior to 1966 include an undisclosed amount of ethane production.*

PRODUCTION OF LP-GAS 1985

(thousands of gallons)

	Supply				Disposition			
Month	Natural Gas Liquids	Liquefied Refinery Gases	Imports*	Stock Withdrawals or (Additions)	Refinery Inputs	Exports*	LP-Gas Available to Market	Ending* Stock
January	1,100,484	416,724	262,542	464,226	417,354	84,546	1,742,076	2,915,556
February	995,148	402,906	218,862	329,406	374,430	78,372	1,493,520	2,586,150
March	1,071,672	464,100	189,966	3,276	384,258	67,284	1,277,472	2,582,874
April	1,028,118	496,776	118,608	(232,848)	328,650	93,492	988,512	2,815,722
May	1,060,500	522,984	125,328	(307,692)	309,582	52,038	1,039,500	3,123,414
June	1,016,946	529,284	159,180	(253,302)	313,488	58,380	1,080,240	3,376,716
July	1,045,002	566,412	125,580	(147,084)	322,350	82,824	1,184,736	3,523,800
August	1,042,734	529,158	109,620	(142,800)	358,302	98,364	1,082,046	3,666,600
September	985,446	478,548	123,648	48,174	402,528	36,624	1,196,664	3,618,426
October	1,057,350	444,738	210,000	357,336	440,664	60,858	1,567,902	3,261,090
November	1,049,454	429,996	203,322	267,330	485,394	100,380	1,364,328	2,993,760
December	1,113,462	494,886	269,850	399,630	500,808	91,476	1,685,544	2,594,130
TOTAL	12,566,316	5,776,512	2,116,506	785,652	4,637,808	904,638	15,702,540	2,594,130

Source: Energy Information Administration

ANNUAL PRODUCTION, BY TYPE OF GAS, 1967-85

(thousands of gallons)

	PROPANE	BUTANE	BUTANE-PROPANE MIXTURE	ISO-BUTANE	TOTAL PRODUCTION	DAILY AVERAGE PRODUCTION
1967	9,478,644	2,400,678	720,132	56,574	12,656,028	34,674
1968	10,637,424	2,617,734	582,330	47,250	13,884,738	38,040
1969	12,019,014	3,252,102	339,822	72,282	15,683,220	42,968
1970	11,891,040	3,058,734	235,788	62,916	15,248,478	41,777
1971	12,168,156	2,964,024	289,506	76,650	15,498,336	42,461
1972	13,726,272	3,245,004	314,328	87,654	17,373,258	47,598
1973	13,364,232	3,433,164	286,860	107,100	17,191,356	47,100
1974	12,728,562	3,147,480	303,786	137,298	16,317,126	44,704
1975	12,006,834	2,825,172	274,218	93,450	15,199,674	41,643
1976	12,761,532	2,886,156	254,562	110,796	16,013,046	43,871
1977	12,592,566	2,341,122	451,584	102,228	15,487,500	42,432
1978	11,922,078	2,471,826	537,558	91,602	15,023,064	41,159
1979	13,053,978	2,885,274	435,624	56,784	16,431,660	45,018
1980	11,590,698	2,857,050	480,522	40,614	14,968,884	41,011
1981	11,848,116	2,056,656	441,462	49,014	14,395,248	39,439
1982	12,227,292	1,549,170	139,482	(672)	13,915,272	38,124
1983	11,505,858	1,904,700	265,062	12,138	13,687,758	37,501
1984	12,810,042	2,204,412	(1)	114,660	15,129,114	41,449
1985	13,529,880	1,801,212		371,448	15,702,540	43,021

Source: Energy Information Administration

(1) Beginning 1984, EIA separated B/P mixture into the two components for reporting purposes.

MONTHLY PRODUCTION, BY TYPE OF GAS*, 1984

(thousands of gallons)

	PROPANE	BUTANE	ISO-BUTANE	TOTAL
JANUARY	1,558,242	125,916	57,918	1,742,076
FEBRUARY	1,261,428	174,258	57,834	1,493,520
MARCH	1,075,326	165,228	36,918	1,277,472
APRIL	830,760	113,862	43,890	988,512
MAY	871,626	142,758	25,116	1,039,500
JUNE	925,764	141,498	12,978	1,080,240
JULY	975,282	187,488	21,966	1,184,736
AUGUST	933,996	172,410	(24,360)	1,082,046
SEPTEMBER	1,040,130	145,530	11,004	1,196,664
OCTOBER	1,396,710	156,786	14,406	1,567,902
NOVEMBER	1,207,038	100,044	57,246	1,364,328
DECEMBER	1,453,578	175,434	56,532	1,685,544
TOTAL	13,529,880	1,801,212	371,448	15,702,540

*Propane includes propylene; butane includes butylenes.

Source: Energy Information Administration

LP-GAS UNDERGROUND BULK STORAGE CAPACITIES, U.S., 1985-1983

(thousands of gallons)

	1985				1983			
	Propane	Butanes	Other[1]	Total	Propane	Butanes	Other[1]	Total
Alabama	14,994	—	—	14,994	15,330	—	—	15,330
Alaska	—	—	—	—	—	—	—	—
Arizona	103,320	77,700	—	181,020	210,000	67,200	—	277,200
Arkansas	—	—	—	—	—	—	—	—
California	—	—	—	—	—	—	—	—
Colorado	—	—	—	—	—	—	—	—
Connecticut	—	—	—	—	—	—	—	—
Delaware	—	—	—	—	—	—	—	—
Florida	—	—	—	—	—	—	—	—
Georgia	9,240	—	—	9,240	10,920	—	—	10,920
Hawaii	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—
Illinois	68,250	45,780	—	114,030	82,446	45,780	—	128,226
Indiana	54,600	44,184	—	98,784	34,902	45,064	—	79,966
Iowa	22,470	10,500	—	32,970	22,470	2,100	—	24,570
Kansas	1,755,180	560,868	261,534	2,577,582	2,143,042	587,622	18,060	2,748,724
Kentucky	25,074	3,360	1,050	29,484	25,074	3,360	1,050	29,484
Louisiana	996,324	658,140	1,369,578	3,024,042	974,736	763,854	918,120	2,656,710
Maine	—	—	—	—	—	—	—	—
Md. & D.C.	6,300	—	—	6,300	6,300	—	—	6,300
Massachusetts	—	—	—	—	—	—	—	—
Michigan	212,898	51,534	84,000	348,432	240,660	72,282	—	312,942
Minnesota	13,860	—	—	13,860	13,860	—	—	13,860
Mississippi	914,718	62,286	40,782	1,017,786	855,162	89,250	—	944,412
Missouri	44,982	—	—	44,982	44,982	—	—	44,982

(Continued from the preceding page)

	1985				1983			
	Propane	Butanes	Other[1]	Total	Propane	Butanes	Other[1]	Total
Montana	—	—	—	—	—	—	—	—
Nebraska	31,710	—	—	31,710	31,710	—	—	31,710
Nevada	—	—	—	—	—	—	—	—
New Hampshire	—	—	—	—	—	—	—	—
New Jersey	9,660	10,500	—	20,160	9,660	10,500	—	20,160
New Mexico	38,304	2,646	—	40,950	30,618	2,646	—	33,264
New York	98,196	—	—	98,196	212,688	—	—	212,688
North Carolina	—	—	—	—	—	—	—	—
North Dakota	—	—	—	—	—	—	—	—
Ohio	256,158	44,100	6,426	306,684	255,822	44,226	6,426	306,474
Oklahoma	87,444	36,792	21,504	145,740	87,528	10,752	10,752	109,032
Oregon	—	—	—	—	—	—	—	—
Pennsylvania	52,920	44,730	3,150	100,800	44,100	32,130	19,950	96,180
Rhode Island	—	—	—	—	—	—	—	—
South Carolina	80,010	—	—	80,010	80,010	—	—	80,010
South Dakota	—	—	—	—	—	—	—	—
Tennessee	—	—	—	—	—	—	—	—
Texas	2,594,508	2,078,412	2,267,412	6,940,332	2,589,888	2,868,432	1,843,800	7,302,120
Utah	8,400	—	—	8,400	8,400	—	—	8,400
Vermont	—	—	—	—	—	—	—	—
Virginia	—	—	—	—	—	—	11,718	11,718
Washington	—	—	—	—	—	—	—	—
West Virginia	21,000	—	—	21,000	21,000	—	—	21,000
Wisconsin	—	—	—	—	—	—	—	—
Wyoming	—	—	—	—	—	—	—	—
TOTAL CAPACITY	**7,520,520**	**3,731,532**	**4,055,436**	**15,307,488**	**8,051,308**	**4,645,198**	**2,829,876**	**15,526,382**

[1]Other includes B-P mixes and LP-Gas not otherwise identified.

Source: Gas Processors Association

SALES OF LP-GAS, BY PRINCIPAL USES, 1979-85

(thousands of gallons)

Year	Residential and Commercial	Industrial (1)	Engine Fuel	Chemical	Utility Gas	Farm	Other (2)	TOTAL
1979	6,870,505	1,940,100	1,045,100	4,042,886	561,000	1,764,444	207,625	16,431,660
1980	6,530,500	1,547,991	1,090,400	3,583,606	529,999	1,529,371	157,017	14,968,884
1981	6,310,300	1,380,000	1,130,000	3,474,237	490,000	1,462,839	147,872	14,395,248
1982	6,180,300	1,310,000	1,240,000	3,362,186	410,000	1,285,236	127,550	13,915,272
1983	6,090,000	1,220,000	1,362,000	3,243,802	370,000	1,182,578	219,378	13,687,758
1984	5,202,876	1,887,945	951,089	4,109,321	921,144	1,663,387	393,142	15,128,904(3,4)
1985	5,793,556	1,299,389	942,254	4,307,062	155,870	1,705,833	875,858	15,079,822(4)

(1) Includes Refinery Fuel.
(2) Includes secondary recovery of petroleum and synthetic natural gas feed stock.
(3) 1984 LP-gas sales as reported by API differ from 1984 LP-gas production reported by EIA because API sources concluded that the EIA report understated butane used in refineries for gasoline production.
(4) API LP-gas sales do not include LP-gas export sales.

Source: NLPGA and API

SALES OF LP-GAS BY STATES, 1979-85
(thousands of gallons)

	1979(1)	1980(1)	1981(1)	1982(1)	1983(1)	1984(2,3)	1985(2,3)
Alabama	181,362	227,731	236,176	213,548	206,881	178,075	174,219
Alaska	18,887	21,897	21,925	36,139	24,783	w	14,889
Arizona	53,548	75,241	72,553	73,127	73,890	66,727	76,034
Arkansas	226,485	234,582	182,832	193,913	190,425	168,904	176,381
California	630,715	511,451	621,623	625,100	638,197	739,859	776,882
Colorado	179,467	218,505	194,561	225,710	167,763	103,705	105,256
Connecticut	63,164	57,593	61,695	59,244	54,967	51,282	51,680
Delaware	33,499	39,536	42,563	39,365	43,007	49,652	41,825
Florida	413,065	412,424	434,344	378,633	396,833	347,271	399,436
Georgia	227,680	298,846	324,803	283,259	288,293	263,364	291,335
Hawaii	25,693	33,010	27,108	37,757	23,140	w	6,296
Idaho	38,267	41,554	34,717	44,525	39,089	31,815	36,230
Illinois	1,020,727	727,808	655,106	613,051	624,976	794,996	788,693
Indiana	375,259	313,052	301,838	282,080	321,871	357,416	328,805
Iowa	507,110	385,266	357,245	408,322	441,185	528,416	591,080
Kansas	293,652	234,229	236,421	273,425	345,937	753,234	611,981
Kentucky	207,041	253,853	235,841	218,674	214,026	260,962	284,430
Louisiana	428,262	306,133	248,899	202,029	236,384	982,522	952,434
Maine	75,714	37,827	34,072	38,113	33,096	22,935	26,533
Maryland & D.C.	72,555	82,866	93,723	77,805	89,809	96,840	75,501
Massachusetts	85,203	88,995	121,024	105,076	88,042	65,990	71,752
Michigan	335,735	309,661	278,640	327,955	431,990	484,763	720,361
Minnesota	291,692	281,711	264,838	297,694	313,466	333,725	356,330
Mississippi	245,488	236,291	225,792	233,627	225,201	218,242	208,514
Missouri	599,948	465,742	407,099	455,980	411,025	340,805	372,837

(Continued from the preceding page)

	1979(1)	1980(1)	1981(1)	1982(1)	1983(1)	1984(2,3)	1985(2,3)
Montana	432,677	79,987	54,940	77,359	62,941	49,258	61,597
Nebraska	153,411	179,335	166,829	180,572	156,875	149,236	176,763
Nevada	32,926	35,936	33,836	38,652	40,072	36,366	47,390
New Hampshire	60,786	59,892	56,732	64,583	59,096	50,017	64,713
New Jersey	147,718	139,002	141,364	124,038	111,901	264,907	232,104
New Mexico	146,240	152,380	108,945	154,427	158,873	153,130	140,102
New York	226,606	289,028	264,125	245,749	262,584	208,193	207,808
North Carolina	318,770	303,397	303,417	275,717	282,743	299,367	323,396
North Dakota	65,878	53,288	73,781	66,273	47,613	31,464	26,811
Ohio	1,077,833	1,001,818	955,760	867,725	662,365	504,464	603,114
Oklahoma	275,710	266,389	284,961	260,694	249,347	272,150	400,132
Oregon	69,649	63,949	70,612	64,582	68,683	60,694	67,666
Pennsylvania	272,624	288,386	248,850	222,513	225,533	239,876	228,144
Rhode Island	13,790	13,871	13,537	15,699	15,338	12,962	20,888
South Carolina	132,337	136,762	143,156	127,860	125,485	108,489	134,045
South Dakota	120,946	124,175	89,727	101,433	88,814	69,586	86,254
Tennessee	115,292	146,307	79,904	116,009	138,024	137,847	149,979
Texas	1,382,745	1,461,685	1,419,233	1,048,020	1,000,960	4,066,334	3,749,674
Utah	35,722	38,806	48,817	71,663	66,121	62,630	60,931
Vermont	32,037	31,127	33,823	41,955	38,814	28,321	33,848
Virginia	148,523	143,117	140,183	132,161	113,591	157,263	162,529
Washington	68,165	72,585	83,450	83,408	96,114	92,533	88,627
West Virginia	40,105	38,037	36,676	26,978	22,178	15,031	35,663
Wisconsin	305,690	283,529	259,668	280,861	337,044	364,777	361,689
Wyoming	82,376	86,686	93,247	120,004	88,071	75,340	76,241
Totals	12,388,774	11,385,278	10,921,011	10,553,086	10,443,456	14,789,925	15,079,822

w - Data withheld to avoid disclosing reports for individual companies. These reports included in totals.

(1) Does not include chemical feedstock use.

(2) Does include chemical feedstock use.

(3) Does not include exports.

Source: NLPGA and API

SALES OF LP-GAS, BY STATES AND PRINCIPAL USES, 1985
(thousands of gallons)

	Residential and Commercial	Chemical	Industrial(1)	Engine Fuel	Utility Gas	Farm	Other(2)	Total
Alabama	118,763	w	5,449	18,374	w	28,756	2,633	174,219
Alaska	w	0	w	w	0	w	w	14,889
Arizona	52,795	w	7,643	10,155	0	5,165	w	76,034
Arkansas	118,459	w	5,213	16,816	0	35,066*	718*	176,381
California	291,821	w	217,284	135,883	6,255*	46,156	9,428	776,882
Colorado	75,799	w	12,255	7,550	w	4,824	3,028*	105,256
Connecticut	32,515	w	12,769	2,990	w	833	350*	51,680
Delaware	30,156	w	1,923	455	w	7,434	w	41,825
Florida	304,977*	w	20,654	36,855	12,646	13,022	3,694	399,436
Georgia	201,104	w	18,768	20,012	1,864	45,195	2,892*	291,335
Hawaii	w	0	0	w	0	w	0	6,296
Idaho	17,965	0	7,868	6,609	0	2,780	1,008	36,230
Illinois	287,490	79,989*	41,346	67,120	w	281,779	2,165*	788,693
Indiana	191,243	0	10,604	23,467	11,272	88,719	3,068*	328,805
Iowa	244,843	0	17,357	14,279	0	312,378	254*	591,080
Kansas	120,003	w	23,046*	15,142	0	31,222	337,833*	611,981
Kentucky	129,622	w	111,293*	15,633	350	9,228	w	284,430
Louisiana	56,225	607,025	26,709*	12,504	w	7,248	803*	952,434
Maine	17,734	w	5,347	1,445	w	20	w	26,533
Md. & D.C.	50,275	0	8,991	5,738	w	5,819	1,521	75,501
Massachusetts	51,918	w	6,599	6,572	2,905	391	737	71,752
Michigan	361,807	0	54,980	46,217	w	51,964	88,300	720,361
Minnesota	196,148	0	27,246	19,538	w	111,201	637	356,330
Mississippi	108,810	0	41,048*	26,591	0	19,819	3,984	208,514
Missouri	285,648	0	28,843	21,893	w	27,139	560	372,837

SALES OF LP-GAS, BY STATES AND PRINCIPAL USES, 1985

(thousands of gallons)

	Residential and Commercial	Chemical	Industrial(1)	Engine Fuel	Utility Gas	Farm	Other(2)	Total(3)
Montana	33,118	0	10,228	5,654	0	11,415	1,122	61,597
Nebraska	80,601	0	7,612	9,004	0	79,377	131*	176,763
Nevada	35,912	0	4,135*	3,457	0	2,413	969	47,390
New Hampshire	43,536	0	7,703	2,261	10,080	97	w	64,713
New Jersey	46,726	w	16,467*	10,454	w	2,371	1,916*	232,104
New Mexico	118,970	w	4,279	10,863	0	5,131	403	140,102
New York	164,169	0	19,200	13,880	w	8,334	1,844*	207,808
North Carolina	162,860	299*	29,916	17,312	w	106,822	3,481*	323,396
North Dakota	13,799	0	3,706	1,683	w	7,562	w	26,811
Ohio	272,891	w	49,932*	60,171	w	70,826	1,683*	603,114
Oklahoma	162,353*	w	69,985*	21,217	3,393	45,606	1,349*	400,132
Oregon	28,504	w	13,281*	21,189*	0	3,881	w	67,666
Pennsylvania	116,973	w	35,412	23,474	w	17,040	1,148*	228,144
Rhode Island	14,199	0	2,530	2,100	0	w	2,055	20,888
South Carolina	94,570*	w	9,693	13,209	974	14,392	828*	134,045
South Dakota	57,481	0	850	3,826	w	23,312	w	86,254
Tennessee	98,772	w	16,941	26,431	0	6,013	428*	149,979
Texas	409,005	3,064,515	95,914	69,802	2,287	77,515	30,636	3,749,674
Utah	32,705*	w	8,091*	8,411	w	1,979	1,732*	60,931
Vermont	30,595	0	1,125	1,268	w	193	w	33,848
Virginia	91,851	w	27,741*	9,637	4,676	21,658	6,247*	162,529
Washington	30,506	0	11,276*	36,545	0	6,126	w	88,627
West Virginia	11,437	w	1,601	2,071	w	780	w	35,663
Wisconsin	248,784	0	24,421	29,202	2,785	54,243	1,801*	361,689
Wyoming	23,514*	w	28,819*	5,036	w	1,453*	622*	76,241
Total	5,793,556	4,307,062	1,299,389	942,254	155,870	1,705,833	875,858	15,079,822

*Propane only; butane withheld

w - Data withheld to avoid disclosing reports for individual companies. These reports included in totals.

(1) Includes refinery fuel.

(2) Includes secondary recovery of petroleum and synthetic natural gas feedstock.

(3) Does not include exports.

Source: American Petroleum Institute

SALES OF LP-GAS, BY STATE AND TYPE OF GAS, 1985(1)

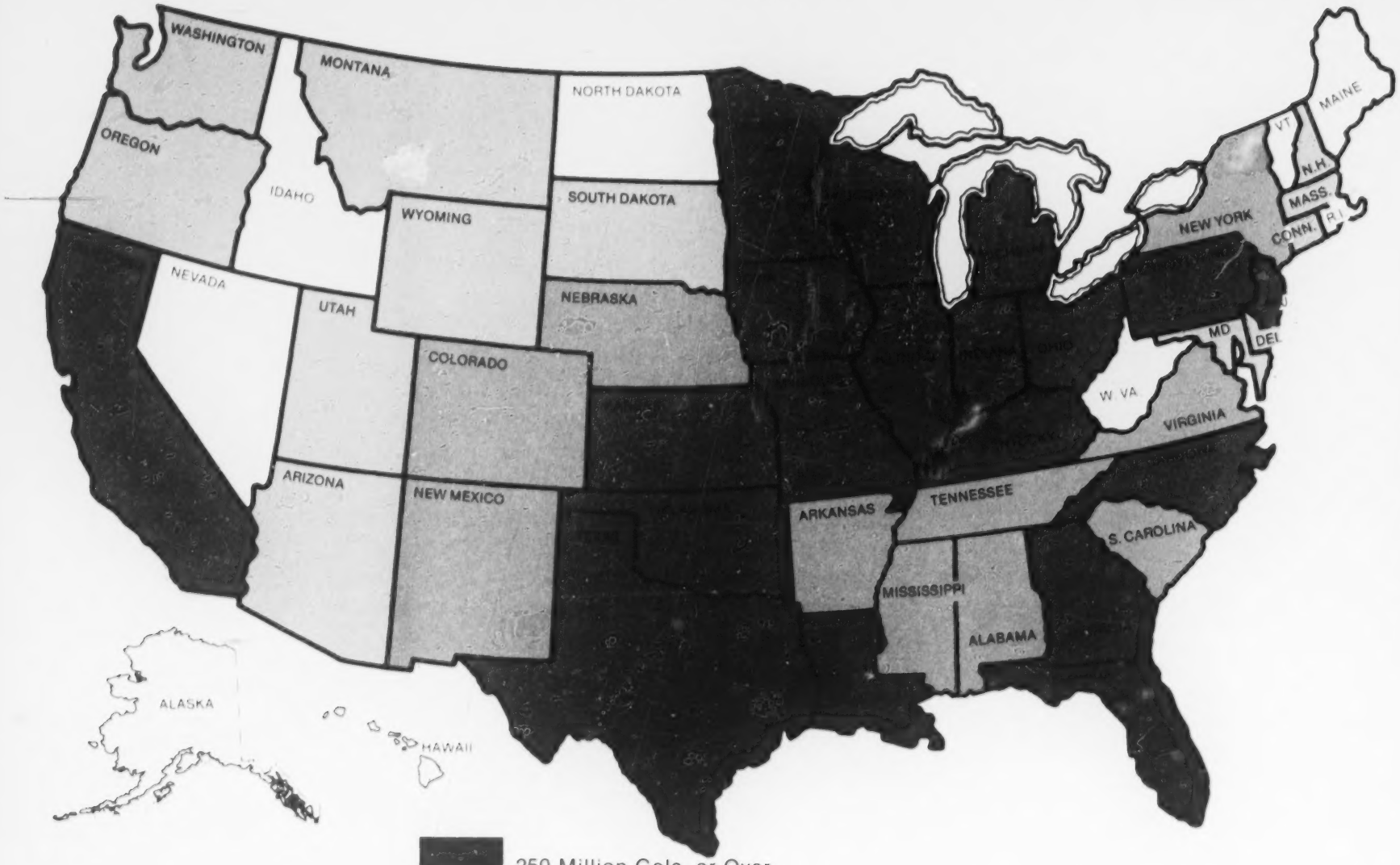
(thousands of gallons)

	Propane	Butane
Alabama	174,075	144
Alaska	14,889	0
Arizona	76,034	0
Arkansas	176,204	177
California	651,609	125,273
Colorado	103,723	1,533
Connecticut	50,740	940
Delaware	41,825	0
Florida	391,848	7,588
Georgia	290,040	1,295
Hawaii	6,296	0
Idaho	36,230	0
Illinois	746,987	41,706
Indiana	328,373	432
Iowa	589,111	1,969
Kansas	528,816	83,165
Kentucky	268,319	16,111
Louisiana	504,719	447,715
Maine	26,533	0
Maryland & D.C.	75,170	331
Massachusetts	69,140	2,612
Michigan	603,272	117,089
Minnesota	354,822	1,508
Mississippi	199,834	8,680
Missouri	372,438	399
Montana	61,597	0
Nebraska	176,725	38
Nevada	47,386	4
New Hampshire	64,713	0
New Jersey	169,237	62,867
New Mexico	139,646	456
New York	207,715	93
North Carolina	321,303	2,093
North Dakota	26,811	0
Ohio	601,174	1,940
Oklahoma	314,676	85,456
Oregon	67,345	321
Pennsylvania	227,758	386
Rhode Island	20,888	0
South Carolina	133,987	58
South Dakota	85,678	576
Tennessee	149,060	919
Texas	3,277,514	472,160
Utah	57,144	3,787
Vermont	33,848	0
Virginia	162,143	386
Washington	84,940	3,687
West Virginia	35,153	510
Wisconsin	361,236	453
Wyoming	65,340	10,901
Total	13,574,064	1,505,758

(1) Does not include exports.

Source: American Petroleum Institute

STATE SALES LEVELS, 1985



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UNITED STATES 1977-85 LP-GAS IMPORTS, BY P.A.D. DISTRICTS

(thousands of gallons)

FOREIGN TRADE

Petroleum Administration District	1977	1978	1979	1980	1981	1982	1983	1984	1985
I	439,442	216,613	386,533	311,927	373,800	219,828	181,734	270,942	373,674
II	1,239,965	976,513	1,514,546	1,395,441	1,010,310	1,075,032	794,892	1,058,274	1,079,484
III	390,386	152,157	358,789	304,035	473,634	425,124	291,270	204,498	275,184
IV	235,322	183,772	193,353	202,379	220,164	247,548	190,764	226,968	227,556
V	180,512	199,158	214,858	192,324	216,384	240,450	218,526	213,066	160,482
Total United States	**2,485,627**	**1,728,213**	**2,668,079**	**2,406,106**	**2,294,292**	**2,207,982**	**1,677,186**	**1,973,748**	**2,116,380**

Source: Energy Information Administration

CANADIAN LP-GAS SUPPLY AND DISPOSITION, 1983

(thousands of gallons)

PROPANE	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Total
Gas Plant Production	381,903	346,708	327,814	365,278	1,421,703
Refinery Production	102,423	86,496	97,977	94,573	381,469
Imports	—	—	—	—	—
Domestic Purchases	509,368	450,430	439,425	576,808	1,976,031
Inventory Changes	69,861	(78,406)	(31,535)	173,006	132,926
Total	1,063,555	805,228	833,681	1,209,665	3,912,129
Plant & Refinery Use	28,391	23,380	19,546	17,796	89,113
Solvent Flood	55,658	65,399	69,632	59,770	250,459
Petrochemical Industry	—	—	—	—	—
Residential, commercial, industrial	726,006	612,090	619,708	865,572	2,823,376
Export	248,293	106,746	129,394	268,297	752,730
Losses & Adjustments	5,207	(2,387)	(4,599)	(1,770)	(3,549)
Total	1,063,555	805,228	833,681	1,209,665	3,912,129

BUTANE	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Total
Gas Plant Production	224,456	201,611	190,109	211,753	827,929
Refinery Production	74,923	103,560	111,900	85,834	376,217
Imports	—	—	—	—	—
Domestic Purchases	273,822	264,627	308,922	269,792	1,117,163
Inventory Changes	12,514	(80,167)	(28,477)	82,925	(13,205)
Total	585,715	489,631	582,454	650,304	2,308,104
Plant & Refinery Use	37,728	19,617	32,100	71,437	160,882
Solvent Flood	23,768	22,676	21,763	21,979	90,186
Petrochemical Industry	76,622	63,609	63,175	78,900	282,306
Residential, commercial, industrial	255,340	270,214	329,130	260,142	1,114,826
Export	186,519	110,405	139,839	214,270	651,033
Losses & Adjustments	5,738	3,110	(3,553)	3,576	8,871
Total	585,715	489,631	582,454	650,304	2,308,104

Source: Statistics Canada

UNITED STATES LP-GAS IMPORTS, 1984-85
(thousands of gallons)

BY COUNTRY	1985	1984
Algeria	97,872	50,598
Australia	60,794	39,468
Canada	1,555,988	1,543,776
Indonesia	0	59,939
Japan	7	28
Mexico	161,282	97,889
Neth. Antilles	1,063	5,269
Netherlands	1,598	1,800
Saudi Arabia	37,448	192,245
United Kingdom	102,592	49,035
Venezuela	47,446	44,975
Others	7,006	73,012
TOTAL	2,073,096	2,158,034

BY MONTH	1985	1984
January	272,003	258,965
February	222,517	167,087
March	176,652	173,496
April	113,596	149,182
May	118,331	130,327
June	155,008	128,352
July	125,623	104,225
August	92,919	134,168
September	119,559	162,689
October	206,134	238,568
November	204,126	249,726
December	266,628	261,249
TOTAL	2,073,096	2,158,034

UNITED STATES LP-GAS EXPORTS, 1984-85
(thousands of gallons)

BY COUNTRY	1985	1984
Canada	170,683	272,742
France	18,386	1,569
Japan	34	248
Mexico	526,076	312,463
Netherlands	12,337	5,745
Saudi Arabia	708	106
South Africa	0	98
West Germany	4,150	0
Others	164,113	132,361
TOTAL	896,487	725,332

BY MONTH	1985	1984
January	87,278	25,057
February	79,084	50,123
March	55,572	93,711
April	96,636	69,445
May	47,854	54,786
June	62,539	66,947
July	84,591	56,384
August	99,240	43,020
September	27,399	29,772
October	54,571	67,341
November	110,835	63,413
December	90,888	105,333
TOTAL	896,487	725,332

Source: Bureau of the Census

QUARTERLY TANK SHIPMENTS 1974-85

QUARTER	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
First	53,448	18,582	25,595	33,121	27,980	34,649	65,934R	71,944	53,572	33,248	35,693	42,470
Second	55,074	22,725	31,755	45,871	38,501	61,315	81,028R	83,830	45,071	46,227	41,169	52,272
Third	44,583	31,952	38,123	44,742	39,617	69,005	81,412R	85,869	48,469	45,265	42,193	43,246
Fourth	32,977	38,010	50,583	55,303	51,874	74,586	59,016R	64,241	57,492	55,020	55,279	72,905
Year Total	**186,082**	**111,269**	**146,056**	**179,037**	**157,972**	**239,555**	**287,390R**	**305,884**	**204,604**	**179,760**	**174,334**	**210,893**

Source: NLPGA

QUARTERLY REGULATOR SHIPMENTS 1974-85

QUARTER	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
First	282,770	328,038	510,865	707,029	828,603	1,089,877	1,048,099	806,859	1,110,123	1,340,771	1,186,421	933,284
Second	293,489	402,248	625,045	715,807	741,158	734,847	444,389	624,570	708,216	958,874	899,325	691,931
Third	312,676	312,834	493,122	334,550	463,217	424,764	334,575	482,716	247,797	522,424	467,400	540,611
Fourth	259,156	291,217	499,081	576,206	709,051	819,734	692,250	766,665	567,256	825,303	1,187,091	876,970
Year Total	**1,148,091**	**1,334,337**	**2,128,113**	**2,333,592**	**2,742,029**	**3,069,222**	**2,519,313**	**2,680,810**	**2,633,392**	**3,647,372**	**3,740,237**	**3,042,796**

Source: NLPGA

QUARTERLY CYLINDER SHIPMENTS 1974-85

QUARTER	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
First	270,814	285,104	418,882	466,176	493,223	544,223R	634,970R	662,999R	760,573	940,557	1,130,421	1,130,470
Second	331,861	399,605	438,318	518,409	533,156	530,418R	312,208R	719,166R	876,929	804,376	1,094,296	877,822
Third	336,572	332,281	403,534	253,221	313,386	258,874R	275,847R	373,576R	290,109	328,761	351,547	392,890
Fourth	218,903	277,884	343,404	322,592	398,451	336,813R	403,971R	480,051R	427,530	506,714	704,982	670,105
Year Total	**1,158,150**	**1,294,874**	**1,604,138**	**1,560,398**	**1,738,216**	**1,670,328R**	**1,626,996R**	**2,235,792R**	**2,355,141**	**2,580,408**	**3,281,246**	**3,071,287**

R - Revised

Source: NLPGA

LP-GAS CYLINDER SHIPMENTS, BY SIZE(1)
1969-85

SIZE IN POUNDS(2)	5	10	20	33	40	60	100	200	300	420	All Other	TOTAL
1969	67,516	32,431	481,211	115,439	10,779	8,290	192,456	5,714	16,124	*	0	929,960(3)
1970	124,231	40,823	492,911	132,277	8,777	11,139	194,371	12,399	29,670	*	35,310	1,081,908(4)
1971	21,254R	28,948R	860,237R	266,864R	44,020R	12,307R	175,348R	11,309R	2,161R	27,771R	0	1,450,219R
1972	29,619	31,264	858,836	374,450	52,870	12,888	138,994	9,683	1,699	49,015	3,118	1,562,436
1973	36,375	33,997	902,107	340,085	60,188	21,559	144,553	10,373	1,737	33,100	0	1,584,074
1974	23,862	44,911	624,856	248,271	40,828	24,443	107,184	9,483	2,065	19,926	12,321	1,158,150
1975	13,958	36,373	721,714	266,213R	52,583	39,733	81,469	8,608	881R	18,236R	55,106R	1,294,874
1976	13,264	32,532	953,719	400,971	47,382	33,344	69,543	12,782	52R	18,990R	21,558R	1,604,137
1977	27,682	50,880	902,726	381,742	56,826	19,189	61,362	9,742	0	26,146R	24,123R	1,560,418
1978	24,251	48,761	1,070,162	381,466	60,223	21,787	74,026	9,457	0	20,356R	27,718R	1,738,207
1979	16,297R	35,396R	1,136,955R	250,781R	57,665R	18,752R	85,020R	6,821R	0	17,819R	44,260R	1,669,766R
1980	13,882R	16,723R	1,194,210R	208,247R	46,849R	14,600R	69,404R	6,423R	572R	25,149R	30,937R	1,626,996R
1981	15,428R	24,041R	1,784,230R	235,676R	46,476R	9,653R	54,186R	2,958R	636R	24,267R	38,240R	2,235,791R
1982	14,133	19,718	1,945,972	226,141	44,401	10,288	44,248	3,981	0	21,790	24,469	2,355,141
1983	12,581	23,611	2,155,684	256,132	36,690	7,056	46,611	2,238	275	15,077	24,453	2,580,408
1984	23,775	52,011	2,741,136	293,753	55,609	13,085	72,493	3,199	178	21,121	4,886	3,281,246
1985	24,898	40,324	2,604,796	288,398	45,306	3,664	56,079	251	0	7,169	402	3,071,287

*420 lb. cylinders included in "All Other".

LP-GAS CYLINDER SHIPMENTS, BY SIZE(1)
1957-67 SHIPMENTS

SIZE IN POUNDS	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967(5)
20	362,312	295,661	357,015	353,175	249,478	367,030	300,757	413,836	423,483	397,801	207,380
60	17,270	8,826	11,148	8,130	9,891	11,688	14,650	11,755	12,822	7,076	6,860
100	486,387	390,091	448,627	534,091	362,553	341,278	189,415	155,285	235,071	239,336	139,050
150-200	14,211	10,258	8,353	6,519	7,427	9,631	8,635	7,947	15,205	10,428	6,290
300-420	21,945	21,039	19,734	13,321	21,371	23,257	20,499	23,123	19,519	8,568	18,280
Unclassified	483,606	50,746	119,810	163,215	100,947	159,453	129,885	202,649	184,349	223,461	153,640
TOTALS	**1,385,731**	**776,621**	**964,687**	**1,078,451**	**751,667**	**912,337**	**663,841**	**814,595**	**890,449**	**876,670**	**531,500**

R - Revised

(1) Authorized cylinders for LP-Gas usage are 3, 3A, 3AA, 3B, 3E, 4A, 4B, 4BA, 4B240ET, 4BW240, 4B240X, 4B240FLW and 4E. However, only the readily identifiable LP-Gas grouping of 4B, 4BA, and 4BW240 is listed above. 4E is listed starting with 1970.

(2) For clarity and convenience, size classifications have been listed by the common cylinder sizes.

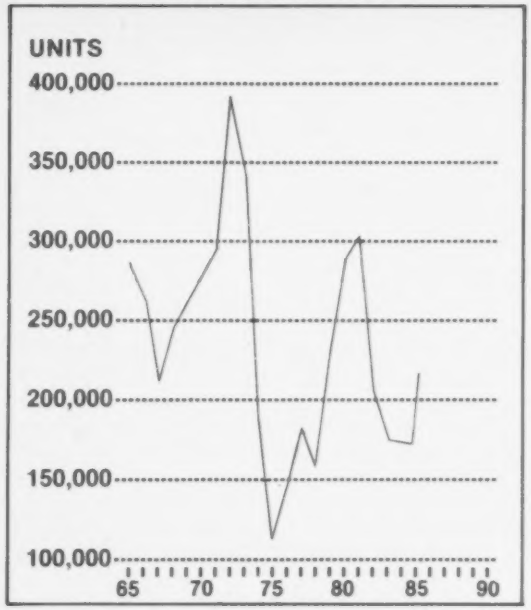
(3) Figures for October were inadvertently omitted, and are included in the figures reported for the first quarter of 1970.

(4) 1970 figures contain October 1969 figures.

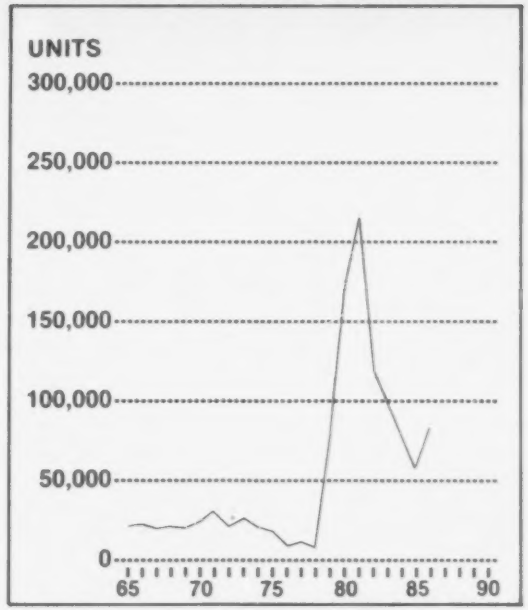
(5) Experienced reporting difficulties.

Source: Compressed Gas Association and NLPGA

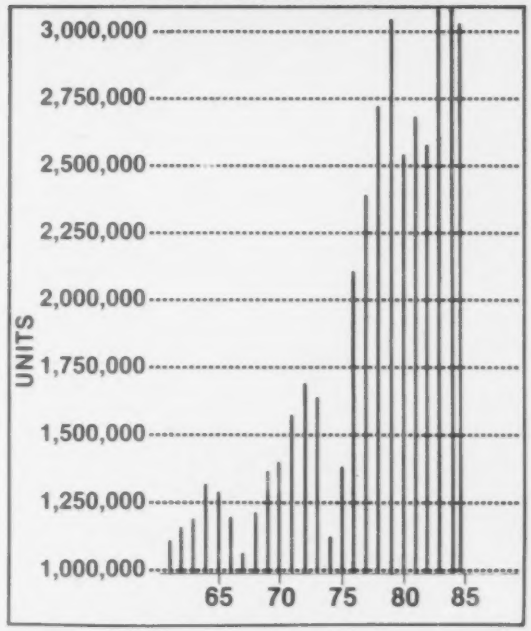
TANK SHIPMENTS



ENGINE FUEL TANK SHIPMENTS



REGULATOR SHIPMENTS



ANNUAL TANK SHIPMENTS 1960-1985

1960	141,107
1961	148,524
1962	218,308
1963	242,600
1964	269,278
1965	282,350
1966	258,369
1967	223,451
1968	248,036
1969	261,904
1970	277,121
1971	296,035
1972	389,125
1973	346,342
1974	186,082
1975	111,269
1976	146,056
1977	179,037
1978	157,972
1979	239,555
1980	787,390R
1981	305,884
1982	204,604
1983	179,760
1984	174,334
1985	210,893

ANNUAL ENGINE FUEL TANK SHIPMENTS 1965-1985

1965	21,922
1966	22,815
1967	17,645
1968	20,185
1969	18,577
1970	24,988
1971	32,266
1972	23,284
1973	27,058
1974	22,881
1975	15,398
1976	9,692
1977	11,340
1978	7,389
1979	76,228
1980	172,136
1981	216,652
1982	117,026
1983	96,774
1984	54,773
1985	77,305

ANNUAL REGULATOR SHIPMENTS 1961-85

1961	1,084,754
1962	1,136,224
1963	1,181,249
1964	1,295,479
1965	1,275,253
1966	1,203,690
1967	1,065,472
1968	1,245,876
1969	1,357,168
1970	1,374,306
1971	1,579,696
1972	1,739,876
1973	1,636,683
1974	1,148,091
1975	1,334,337
1976	2,128,113
1977	2,333,592
1978	2,742,029
1979	3,069,222
1980	2,519,313
1981	2,680,810
1982	2,633,392
1983	3,647,372
1984	3,740,237
1985	3,042,796

Source: NLPGA

ANNUAL TANK SHIPMENTS, BY SIZES, 1956-85
SIZE IN GALLONS (Water Capacity)

YEAR	0-399*	Engine Fuel	400-599	600-1099	Transport & Delivery** Over 1099	1000-12000	TOTALS
1956	139,433		98,288	26,472	1,502	—	265,695
1957	117,975		71,974	16,069	1,234	—	207,252
1958	83,321		66,617	14,202	1,393	—	165,533
1959	102,779		65,069	16,996	1,458	—	186,302
1960	80,387		47,918	11,499	1,213	—	141,017
1961	85,918		50,449	10,923	1,234	—	148,524
1962	125,209		75,096	15,881	2,122	—	218,308
1963	126,041		90,157	22,170	4,232	—	242,600
1964	141,746		104,584	21,279	1,669	—	269,278
1965	113,285	21,922	116,462	28,306	1,451	924	282,350
1966	104,477	22,815	103,858	24,833	1,364	1,022	258,369
1967	92,881	17,645	88,819	21,671	1,298	1,136	223,450
1968	115,168	20,185	84,285	25,902	1,332	1,164	248,036
1969	120,431	18,577	93,905	26,570	887	1,534	261,904
1970	116,473	24,988	105,399	27,638	1,069	1,552	277,119
1971	122,032	32,266	118,996	29,305	1,080	1,356	305,035
1972	166,712	23,284	154,963	40,747	2,082	1,337	389,125
1973	138,337	27,058	114,319	60,913	4,301	1,414	346,342
1974	60,710	22,881	63,241	34,554	3,483	1,213	186,082
1975	40,375	15,398	36,362	16,310	2,054	770	111,269
1976	61,752	9,692	52,067	19,959	1,852	734	146,056
1977	81,897	11,340	53,121	27,636	3,653	1,390	179,037
1978	76,170	7,389	48,961	20,344	1,296	812	154,972
1979	84,986	76,228	55,773	20,922	1,048	598	239,555
1980	66,231	172,136	32,899	14,588	912	624	287,390
1981	51,608	216,652	24,139	12,069	1,006	410	305,884
1982	56,847	117,026	19,881	9,744	611	495	204,604
1983	59,966	96,774	16,057	6,132	468	363	179,760
1984	85,441	54,773	25,145	7,616	756	603	174,334
1985	92,437	77,305	32,048	8,056	475	572	210,893

*Includes engine fuel tanks through 1964.

**Not reported separately prior to 1965. See Page 33 for breakdown.

Source: NLPGA

LP-GAS TRANSPORT TRUCK PRODUCTION*
1965-85

1965	310
1966	357
1967	307
1968	218
1969	221
1970	312
1971	302
1972	326
1973	384
1974	492
1975	178
1976	323
1977	800(R)
1978	431(R)
1979	177
1980	188
1981	76
1982	60
1983	67
1984	70
1985	22

From 1965 to date, tank truck data is for trucks ranging in size from 7,500 to 12,000 water gallon capacity.
(R) - Revised

Source: NLPGA and Bureau of the Census

SHIPMENTS OF LP-GAS DELIVERY AND TRANSPORT TRUCKS
1984-85

SIZE	1985	1984
1,000 - 1,399 Gallons	2	10
1,400 - 1,999 Gallons	1	3
2,000 - 2,599 Gallons	176	179
2,600 - 3,499 Gallons	370	335
3,500 - 7,499 Gallons	1	6
7,500 - 12,000 Gallons	22	70
TOTAL	**572**	**603**

Source: NLPGA

AGRICULTURAL CROP DRYER SHIPMENTS
1968-1984

GRAIN, HAY AND SEED DRYERS

YEAR	Heated Types*	Unheated Air Types	Totals
1968	17,318	925	18,243
1969	10,103	1,519	11,622
1970	7,153	2,019	9,172
1971	13,245	2,279	15,524
1972	16,456	3,358	19,814
1973	23,364	12,140	35,504
1974	34,781(R)	15,936(R)	50,717(R)
1975	24,540(R)	19,586(R)	44,126(R)
1976	29,904(R)	24,997(R)	54,901
1977	41,427(R)	45,668(R)	87,095(R)
1978	39,951(R)	59,912(R)	99,863(R)
1979	32,308(R)	48,687(R)	80,995(R)
1980	24,301(R)	26,162(R)	50,463(R)
1981	19,314(R)	27,452(R)	46,766(R)
1982	27,360(R)	37,263	64,623(R)
1983	16,979	9,123	26,102
1984	9,798	9,851	19,649

**Consist of batch type, continuous flow, heated air and supplemental heater units estimated by manufacturers to be 90% to 95% LP-Gas fueled.*

(R) Revised

Source: Bureau of the Census

CLASSIFICATIONS FOR LP-GAS APPLICATIONS

Residential & Commercial

- Kitchen Ranges
- Barbecue Grills
- Water Heaters
- Clothes Dryers
- Central Heating Systems
- Central Air Conditioning Systems
- Space Heaters
- Patio and Yard Lamps
- Patio and Pool Deck Heaters
- Recreation: Camp Cookers, Heaters, Lights, Refrigeration
- Infra-Red Heaters
- Laundry Equipment
- Greenhouses
- Incinerators
- Roofing Kettles
- Street Pavers

Internal Combustion

- Industrial Lift Trucks
- Industrial Sweepers
- Stationary Engines
- Bus and Truck
- Automobile
- Portable Engines
- Refrigeration

Chemical & Industrial

- Raw Materials
- Solvents
- Standby Fuel
- Flame Cutters
- Metallurgical Furnaces
- Industrial Dryers
- Electric Generation
- Construction Heaters
- Refinery Fuel

Utility Gas

- Propane-Air Systems
- Propane Enrichment

Synthetic Rubber

Synthetic Natural Gas Feedstock

Secondary Recovery of Petroleum

Farm

- Farm Tractors
- Farm Home Uses
- Crop Dryers
- Flame Cultivation
- Weed and Insect Control
- Tobacco Curers
- Poultry Brooders
- Stock Tank Heaters
- Pig Farrowers

*American Pertoleum Institute

RESIDENTIAL GAS APPLIANCE SHIPMENTS*
1954-1985

	Domestic Ranges	Water Heaters	Warm Air Furnances	Boilers	Conversion Burners	Direct Htg. Eqpt.	Floor Furnaces	Wall Furnaces	Clothes Dryer	Gas Grills
1954	2,023,200	2,360,500	678,000	80,200	224,400	951,698	144,120	358,043	236,148	
1955	2,344,800	2,748,200	874,400	90,100	209,100	1,135,720	191,555	383,907	368,206	
1956	2,177,400	2,762,100	812,600	96,300	186,900	1,089,304	98,270	301,962	434,365**	
1957	1,968,600	2,532,300	702,600	105,400	163,500	931,982	76,031	243,559	392,085	
1958	1,884,400	2,673,400	853,700	123,200	142,000	1,485,000	97,500	389,000	378,700	
1959	2,012,500	2,953,600	1,053,400	159,600	156,200	1,446,300	97,300	449,500	476,500	
1960	1,814,300	2,720,600	900,000	153,200	131,500	1,210,700	86,700	366,000	431,500	
1961	1,830,000	2,731,700	929,400	168,000	115,700	1,066,600	76,900	390,300	411,700	
1962	1,981,400	2,876,000	1,008,500	175,000	104,200	1,160,800	77,800	437,300	474,400	
1963	2,072,300	2,597,400	1,101,900	184,000	108,400	1,323,800	77,200	448,100	534,700	
1964	2,170,400	2,724,070	1,185,700	199,600	100,800	1,190,000	73,080	482,400	632,200	
1965	2,266,400	2,736,750	1,237,500	200,300	92,900	994,000	70,820	430,100	710,000	
1966	2,162,600	2,636,440	1,212,900	186,500	92,800	1,033,800	67,200	447,600	751,200	
1967	2,123,000	2,554,510	1,145,700	173,800	84,600	920,000	58,310	412,800	828,900	
1968	2,285,900	2,756,300	1,428,100	186,800	79,200	973,700	64,910	490,300	876,000	
1969	2,471,100	2,742,430	1,546,000	175,800	76,900	1,027,900	66,900	509,900	905,400	
1970	2,361,700	2,785,210	1,471,200	163,800	65,800	928,900	55,800	489,200	851,700	
1971	2,549,300	3,088,480	1,795,200	157,200	52,900	782,600	51,800	560,000	847,000	
1972	2,661,100	3,162,820	2,066,200	155,700	39,700	708,300	42,880	719,660	936,100	
1973	2,481,400	3,080,440	1,719,500	146,700	43,100	678,000	41,560	610,000	925,700	
1974	1,950,100	2,568,650	1,476,300	122,600	88,900	488,400	37,570	371,610	738,900	
1975	1,618,400	2,645,110	1,185,800	88,100	38,800	332,000	33,430	401,600	671,800	
1976	1,823,500	3,112,130	1,554,400	112,600	26,200	306,400	24,000	499,430	707,200	
1977	1,745,500	3,070,221	1,508,100	113,100	N/A	193,313	23,400	475,330	735,800	722,300
1978	1,794,200	2,921,052	1,636,100	125,900	N/A	174,900	18,070	513,900	757,000	910,000
1979	1,798,600	2,887,275	1,862,600	221,300	N/A	192,700	15,560	349,930	768,000	1,310,000
1980	1,538,500	2,818,263	1,445,700	293,300	N/A	221,933	12,240	284,690	682,200	1,235,000
1981	1,495,700	2,785,207	1,416,700	161,600	N/A	133,034	10,552	242,831	639,000	1,526,700
1982	1,367,500	3,040,947	1,155,600	147,600	N/A	181,704R	18,746	132,640	584,200	1,765,960
1983	1,572,700	3,172,067	1,661,800	147,700	N/A	202,822	18,775	168,310	672,000	2,147,885
1984	1,732,100	3,502,053	1,849,200	179,870	N/A	255,842	20,825	179,310	753,600	2,637,190
1985	1,828,400	3,528,931	1,822,295	192,455	N/A	282,969	22,085	206,430	833,500	3,100,000

N/A - Not Available

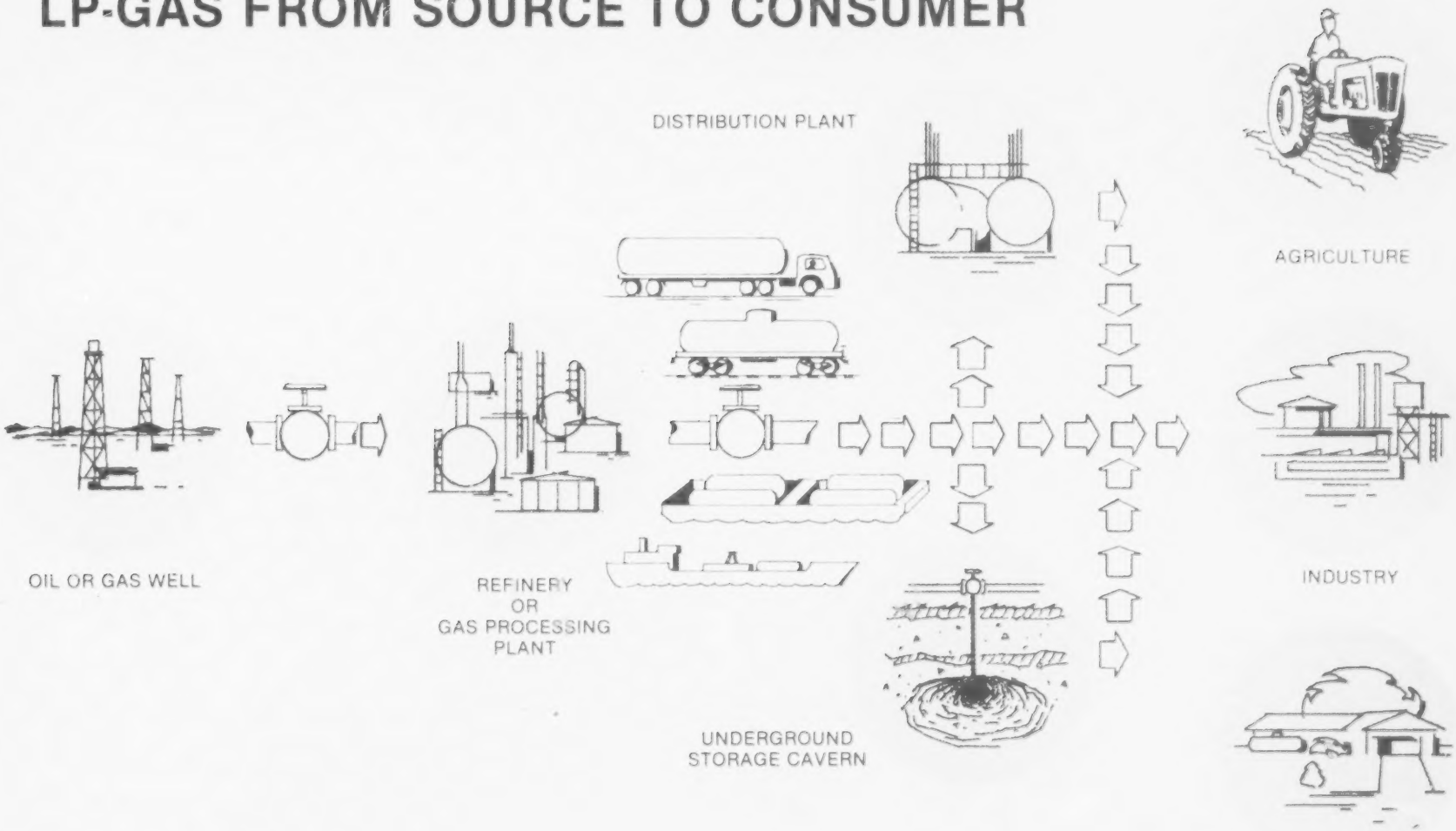
R - Revised

**LP-Gas and city gas combined.*

***Includes combination washer-dryers in 1956 only.*

Source: Gas Appliance Manufacturers Association

LP-GAS FROM SOURCE TO CONSUMER



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